

**WEST****Search Results - Record(s) 1 through 1 of 1 returned.**

L5: Entry 1 of 1

File: USPT

Feb 1, 2000

US-PAT-NO: 6020125

DOCUMENT-IDENTIFIER: US 6020125 A

TITLE: Basal body rod protein FlgF of campylobacter

DATE-ISSUED: February 1, 2000

US-CL-CURRENT: 435/6, 435/7.21, 435/91.2, 514/423, 514/44INT-CL: [6] C12 Q 1/68

4/902  
V8

Set Items Description

Cost is in DialUnits  
?ds

Set	Items	Description
S1	2	HELA/TI AND CAMPYLOBACTER?/TI AND JEJUNI/TI AND MEMBRANE?/-
		TI
		?e campylobacter jejuni

Ref	Items	RT	Index-term
E1	1		CAMPYLOBACTER INFECTIONS --URINE --UR
E2	525		CAMPYLOBACTER INFECTIONS --VETERINARY --VE
E3	1334	4	*CAMPYLOBACTER JEJUNI
E4	2		CAMPYLOBACTER JEJUNI --ANALYSIS --AN
E5	61		CAMPYLOBACTER JEJUNI --CHEMISTRY --CH
E6	217		CAMPYLOBACTER JEJUNI --CLASSIFICATION --CL
E7	10		CAMPYLOBACTER JEJUNI --CYTOLOGY --CY
E8	150		CAMPYLOBACTER JEJUNI --DRUG EFFECTS --DE
E9	34		CAMPYLOBACTER JEJUNI --ENZYMولوجY --EN
E10	334		CAMPYLOBACTER JEJUNI --GENETICS --GE
E11	122		CAMPYLOBACTER JEJUNI --GROWTH AND DEVELOPMENT
E12	220		CAMPYLOBACTER JEJUNI --IMMUNOLOGY --IM

Enter P or PAGE for more

?p

Ref	Items	RT	Index-term
E13	466		CAMPYLOBACTER JEJUNI --ISOLATION AND PURIFICAT
E14	69		CAMPYLOBACTER JEJUNI --METABOLISM --ME
E15	142		CAMPYLOBACTER JEJUNI --PATHOGENICITY --PY
E16	59		CAMPYLOBACTER JEJUNI --PHYSIOLOGY --PH
E17	1		CAMPYLOBACTER JEJUNI --RADIATION EFFECTS --RE
E18	29		CAMPYLOBACTER JEJUNI --ULTRASTRUCTURE --UL
E19	0	1	CAMPYLOBACTER PYLORI
E20	2		CAMPYLOBACTERACEAE
E21	1		CAMPYLOBACTERAHNLCHE
E22	1		CAMPYLOBACTERARTEN
E23	1		CAMPYLOBACTERCINAEDI
E24	1		CAMPYLOBACTERENTERIT

Enter P or PAGE for more

?s e3-e18

1334	CAMPYLOBACTER JEJUNI
2	CAMPYLOBACTER JEJUNI --ANALYSIS --AN
61	CAMPYLOBACTER JEJUNI --CHEMISTRY --CH
217	CAMPYLOBACTER JEJUNI --CLASSIFICATION --CL
10	CAMPYLOBACTER JEJUNI --CYTOLOGY --CY
150	CAMPYLOBACTER JEJUNI --DRUG EFFECTS --DE
34	CAMPYLOBACTER JEJUNI --ENZYMولوجY --EN
334	CAMPYLOBACTER JEJUNI --GENETICS --GE
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220	CAMPYLOBACTER JEJUNI --IMMUNOLOGY --IM
466	CAMPYLOBACTER JEJUNI --ISOLATION AND PURIFICAT
69	CAMPYLOBACTER JEJUNI --METABOLISM --ME
142	CAMPYLOBACTER JEJUNI --PATHOGENICITY --PY
59	CAMPYLOBACTER JEJUNI --PHYSIOLOGY --PH
1	CAMPYLOBACTER JEJUNI --RADIATION EFFECTS --RE
29	CAMPYLOBACTER JEJUNI --ULTRASTRUCTURE --UL
S2	1334 E3-E18

?e e3

Ref	Items	Type	RT	Index-term
R1	1334		4	*CAMPYLOBACTER JEJUNI
R2	1334	X		DC=B3.440.180.425. (CAMPYLOBACTER JEJUNI)

R3 1334 X DC=B3.660.150.100.375. (CAMPYLOBACTER JEJUNI)  
 R4 1334 X DC=B3.825.225.425. (CAMPYLOBACTER JEJUNI)  
 R5 7670 B 9 CAMPYLOBACTER

?s r1-r4

1334 CAMPYLOBACTER JEJUNI  
 1334 DC=B3.440.180.425. (CAMPYLOBACTER JEJUNI)  
 1334 DC=B3.660.150.100.375. (CAMPYLOBACTER JEJUNI)  
 1334 DC=B3.825.225.425. (CAMPYLOBACTER JEJUNI)  
 S3 1334 R1-R4

?e r5

Ref	Items	Type	RT	Index-term
R1	7670		9	*CAMPYLOBACTER
R2	2729	X		DC=B3.440.180. (CAMPYLOBACTER)
R3	2729	X		DC=B3.660.150.100. (CAMPYLOBACTER)
R4	2729	X		DC=B3.825.225. (CAMPYLOBACTER)
R5	3	B	12	EPSILON PROTEOBACTERIA
R6	6795	B	270	GRAM-NEGATIVE BACTERIA
R7	3	B	13	SPIRAL AND CURVED BACTERIA
R8	255	N	4	CAMPYLOBACTER COLI
R9	1749	N	5	CAMPYLOBACTER FETUS
R10	1334	N	4	CAMPYLOBACTER JEJUNI

?ds

Set	Items	Description
S1	2	HELA/TI AND CAMPYLOBACTER?/TI AND JEJUNI/TI AND MEMBRANE?/-
		TI

S2 1334 E3-E18  
 S3 1334 R1-R4

?s (s2 or s3) and ((92 or 93 or 94 or 95 or 96 or 97 or 98 or 99 or 100 or 101 or 102)  
 (5n) (kda or kilodalton? or dalton? or rmw or mw or molecular? or immunoblot? or western?  
 n?))

1334 S2  
 1334 S3  
 66758 92  
 61739 93  
 62564 94  
 152561 95  
 75254 96  
 58125 97  
 60010 98  
 114737 99  
 384445 100  
 19504 101  
 19404 102  
 83296 KDA  
 6525 KILODALTON?  
 12794 DALTON?  
 22 RMW  
 7256 MW  
 742181 MOLECULAR?  
 48092 IMMUNOBLOT?  
 97135 WESTERN?  
 12410 ...

S4 10 (S2 OR S3) AND ((92 OR 93 OR 94 OR 95 OR 96 OR 97 OR 98  
 OR 99 OR 100 OR 101 OR 102) (5N) (KDA OR KILODALTON? OR  
 DALTON? OR RMW OR MW OR MOLECULAR? OR IMMUNOBLOT? OR  
 WESTERN?))

?t s4/9/all

4/5/02  
updated  
hand

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or rmw or western or immunoblot\$ ) jejuni same (kda or dalton or kilo-dalton or kilodalton or mw

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S2881

U

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or rmw or western or immunoblot\$ or 92  
or 93 or 94 or 95 or 96 or 97 or 98 or 99 or 100)

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U

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slayer )) same (jejuni or  
((surface near array near protein )or (sapa or sap or s-layer or  
campylobacter)

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S2879

U

USPT

slayer )  
(surface near array near protein ) or (sapa or sap or s-layer or

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S2878

U

USPT

sapa or sap or s-layer or slayer

2002-04-04 14:54:54

S2877

U

USPT

surface near array near protein

2002-04-04 14:52:2

\* **Surface components of Campylobacter and Helicobacter**

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Abstract: The major components of the surfaces of *Helicobacter pylori* and *Campylobacter jejuni* are considered in turn, comparing and contrasting where possible the key features of each organism. The components considered are the outer membrane, including protein as well as polysaccharide components; the S-layer proteins of *Campylobacter fetus* and *Campylobacter rectus*; and the flagella of both organisms including the regulation of flagellar gene expression. Proteins secreted by these organisms are also considered. In conclusion, it is clear that the unique pathogenic properties of these closely related organisms are dependent to a large extent on key differences in their surface components.

Identifiers--KeyWord Plus(R): OUTER-MEMBRANE PROTEIN; LIPOPOLYSACCHARIDE BIOSYNTHESIS LOCUS; FIBRONECTIN-BINDING PROTEIN; FLAGELLAR SHEATH PROTEIN; LAYER PROTEINS; **S-LAYER**; POSTTRANSLATIONAL MODIFICATION; MOLECULAR CHARACTERIZATION; GENOME SEQUENCE; CELL-MEMBRANES